

Abstract

A light emitting diode light source has a printed circuit board with a plurality of side faces, a plurality of RGB LED units arranged on one side face of the printed circuit board and each having a red LED, a green LED and a blue LED, and at least one control unit connected to each LED in the RGB LED units and controlling a driving current to the LED. Each of the RGB LED units emits a white light with stable color temperature. The control unit has a memory for storing a driving current data for each LED.